

SEQUENCE LISTING

<110> Sheppard, Paul O.  
Bishop, Paul D.

<120> Seleno-cysteine Containing Protein  
zenk13

<130> 00-87

<150> 60/256,676  
<151> 2000-12-18

160 6

<130> Fast SEO for Windows Version 4.0

5210> 1

211 1355

<212> DNA

<213> *Aqkistrodon piscivorus piscivorus*

<210> 2  
<211> 110

<212> PRT

<213> Ack

221

<222> (46) . . .

<223> Xaa is sele

## ANSWER

Met Glu

1 5 10 15  
Ser Ala Leu Ala Pro Leu Arg Ala Val Gln Leu Asp Arg Ser Arg Leu  
20 25 30

Gln Trp Leu Ala Arg Gly Lys Val Glu Ser Cys Gly Gly Xaa Arg Leu  
 35 40 45  
 Asn Arg Leu Pro Glu Val Lys Ala Phe Leu Asn Glu Asp Leu Pro Leu  
 50 55 60  
 Tyr His Asn Met Asp Leu Lys Tyr Leu Ala Gly Ala Asp Pro Glu Leu  
 65 70 75 80  
 Ile Leu Leu Asn Ile Gln Phe Glu Glu Leu Gln Arg Ile Pro Leu Ser  
 85 90 95  
 Asp Met Ser Arg Glu Glu Ile Asn Gln Leu Met Gln Glu Leu  
 100 105 110

<210> 3  
 <211> 471  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> This degenerate nucleotide sequence encodes the  
 amino acid sequence of SEQ ID NO:2.

<221> variation  
 <222> (1)...(471)  
 <223> N is A, G, C, or T.

<400> 3  
 atggaraacnc cnytnyntng gytncnnyt ytnytnyng gnytnytnws ncnytnngc 60  
 ccnytnmng cngtnccaryt ngaymgnwsn mgnytnccart ggytnngcnnng ngnaargtn 120  
 garwstngygg gnggnnnmng ntynaaymng ytnccnccaryt tnaargcnt ytnyaaaygar 180  
 gayytntcny tntaycaya yatggayytg aartayytn gngngcngc yccngaryt 240  
 athytnynta ayathcattt ygargaryt carmgnathc cnytnwsnng yatgwsnmg 300  
 gargaratha aycarytnat gcargaryt ggnttaytgn gnaargayac ncncngaywsn 360  
 cncngtncngc aycncttyca ratggcncn gcnaywsn tnccnwsnng ygtngargcn 420  
 atgaaaraaym gnmngncnaa rgaraaraar ggngcnggng gncncngayt n 471

<210> 4  
 <211> 48  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Selenocysteine insertion motif.

<221> variation  
 <222> (5)...(14)  
 <223> N is A, T, G, or C.

<221> variation  
 <222> (15)...(16)  
 <223> N is A, T, G, C, or absent.

<221> variation  
 <222> (19)...(34)  
 <223> N is A, T, G, or C.

<221> variation  
 <222> (35)...(44)  
 <223> N is A, T, G, C, or absent.

<221> variation  
 <222> (45)...(45)  
 <223> N is A, T, G, or C.

40021577-1424204

<221> variation  
<222> (48) ... (48)  
<223> N is A, T, G, or C.

<400> 4  
augannnnnn nnnnnnaann nnnnnnnnnn nnnnnnnnnn nnnnngan

48

<210> 5  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Selenocysteine insertion element.

<400> 5  
atqaaqccct ctqcaaaaaq cttttgctgc tgagggtgga

40

<210> 6  
<211> 44  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Selenocysteine insertion element.

<400> 6  
atqaagccct ctqcaqaaag cttttgctgc tgagggtgga taga

49

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